Ministry of Northern Development and Mines

Ontario

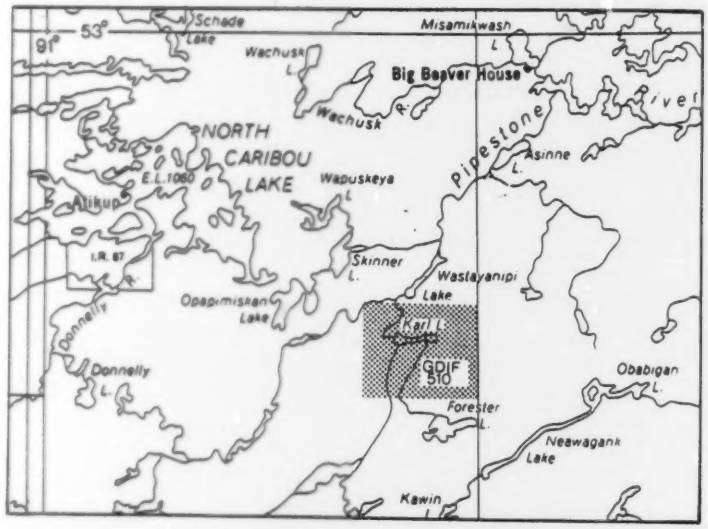
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 510

KARL LAKE AREA

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO
Mineral Development Exploration Minerals

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-05987/

NTS Number 53B/09SE

Mining Claim Map Number G-2082

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Karl Lake Area, Geological Data Inventory Folio 510; compiled by the staff of the Resident Geologist's office, Sioux Lookout.

Original Compilation by: C.J. Proctor and M.O. Roy

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

For further information please contact:

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ACCOMPANYING MAPS

Files Index Map A1

Exploration Data Map B1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept., (A.R.)	Annual Report
A.R.I.P.	Aggregate Resources Inventory Paper
Bull.	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull	Geological Society of America Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
M.P.	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
O.G.S.	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
Sum. Rept.	Summary Report

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office Toronto	NO	CJP
3	ODM General Index. 9 Volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Thesis - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	YES	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O G S)	NO	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers ODM & OGS	YES	CJP
16	ODM Geological Circulars OGS Study Series	NO	CJP
17	ODM Preliminary Reports ODM Bulletins	NO	CJP
18	ODM - OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Drill Core Library Catalogue	NO	CJP
23	Unpublished Theses	NO	CJP
24	Aerial Photographs filed in the Sioux Lookout Office	NO	CJP

KARL LAKE AREA

METALS AND MINERALS REFERENCES LIST

- △ anh ..... Anhydrite
- △ ank ..... Ankerite
- △ anna ..... Annabergite
- △ ap ..... Apatite
- △ arg ..... Argentite
- △ As ..... Arsenic
- △ asp ..... Arsenopyrite
- △ asb ..... Asbestos
- △ ba ..... Barite
- △ be ..... Beryl
- △ Bi ..... Bismuth
- △ bn ..... Bornite
- △ bran ..... Brannerite
- △ bruc ..... Brucite
- △ Cd ..... Cadmium
- △ calc ..... Calcite
- △ carb ..... Carbonate
- △ cel ..... Celestite
- △ cc ..... Chalcocite
- △ cp ..... Chalcopyrite
- △ ch ..... Chert
- △ clay ..... Clay
- △ Co ..... Cobalt
- △ cob ..... Cobaltite
- △ cb ..... Columbite
- △ Cu ..... Copper
- △ cor ..... Corundum
- △ dol ..... Dolomite
- △ ep ..... Epidote
- △ ery ..... Erythrite
- △ fel ..... Feldspar
- △ fl ..... Fluorite (flurospar)
- △ fu. ..... Fuchsite
- △ gn. ..... Galena
- △ gt. ..... Garnet
- △ goe ..... Goethite
- △ Au ..... Gold
- △ gf ..... Graphite
- △ gl ..... Gravel
- △ gyp ..... Gypsum
- △ hem ..... Hematite
- △ il ..... Ilmenite
- △ Fe ..... Iron
- △ IF ..... Iron Formation
- △ jas ..... Jasper
- △ kaol ..... Kaolinite (kaolin)
- △ ky ..... Kyanite
- △ Pb ..... Lead
- △ lim ..... Limonite
- △ Li ..... Lithium
- △ mgst ..... Magnesite
- △ mag ..... Magnetite
- △ mc ..... Malachite
- △ Mn ..... Manganese
- △ mb ..... Marble
- △ mar ..... Marcasite
- △ ma ..... Marl
- △ mi ..... Mica
- △ ml ..... Millerite
- △ mo ..... Molybdenite
- △ Mo ..... Molybdenum
- △ mon ..... Monazite
- △ ne .... Nephelite (nepheline)
- △ nc ..... Niccolite
- △ Ni ..... Nickel
- △ Nb ..... Niobium
- △ Pd ..... Palladium
- △ peat ..... Peat
- △ pent ..... Pentlandite
- △ Pt ..... Platinum
- △ py ..... Pyrite
- △ pyl ..... Pyrochlore
- △ pyrl ..... Pyrolusite
- △ po ..... Pyrrhotite
- △ q ..... Quartz
- △ qcv .. Quartz carbonate vein
- △ ra ..... Radioactive minerals
- △ RE ..... Rare Earths
- △ sd ..... Sand
- △ sgl ..... Sand and gravel
- △ ss ..... Sandstone
- △ scap ..... Scapolite
- △ shee ..... Scheelite
- △ serp ..... Serpentine
- △ sh ..... Shale
- △ sid ..... Siderite
- △ si ..... Silica
- △ Ag ..... Silver
- △ sl ..... Slate
- △ sm ..... Smaltite
- △ sod ..... Sodalite
- △ spec ..... Specularite
- △ sp ..... Sphalerite
- △ spd ..... Spodumene
- △ staur ..... Staurolite
- △ stib ..... Stibnite
- △ st ..... Stone
- △ s ..... Sulphides
- △ talc ..... Talc
- △ Te ..... Tellurium
- △ td ..... Tetrahedrite
- △ th ..... Thorite
- △ Th ..... Thorium
- △ thuc ..... Thucholite
- △ ti ..... Titanite
- △ Ti ..... Titanium
- △ tour ..... Tourmaline
- △ trap ..... Trap rock
- △ W ..... Tungsten
- △ uran ..... Uraninite
- △ U ..... Uranium
- △ verm ..... Vermiculite
- △ Y ..... Yttrium
- △ Zn ..... Zinc
- △ zr ..... Zircon

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

KARL LAKE AREA

MINERAL OCCURRENCES

Map Ref. Letter	(see Exploration Data Map) Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
	NO DATA AS OF FEBRUARY, 1989				

KARL LAKE AREA

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
1	INCO L. (53B/09SE-0010-A1) D.H. #1 and #7				61															
2	INCO L. (53B/09SE-0010-B1)				62															
3	INCO L. (53B/09SE-0010-C1)				62															
4	INCO L. (53B/09SE-0010-D1)				62															
5	CANADIAN NICKEL C. L. (53B/09SE-0011)											82								
6	CANADIAN NICKEL C. L. (53B/09SE-0012)	82																		
7	RIO TINTO CANADIAN EXPLORATION L. (53B/08NE-0012)	82																		
8	INCO L. (53B/09SE-0013-A1)				61/ 62															
9	POWER EXPLORATION INC. (53B/09SW-0037)											86	86							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
10	FLAGSHIP RESOURCES L. (53B/09SE-0014) *(2.11400)											88	88							
11	POWER EXPLORATION INC. (53B/09SW-0046) *(2.11892)				87															

* Toronto File Number

KARL LAKE AREA

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	INCO L.	15784	1961	South	-45	10.0	82.0	po	--
2		15792	1962	South	-43	42.0	394.0	py,po,asp	--
3		15793	1962	North	-44	30.0	398.0	py	--
4		15794	1962	South	-45	79.0	500.0	po,py	--
5		15780	1961	South	-50	23.0	114.8	--	--
6		15781	1961	North	-48	49.0	71.7	mag	--
6		15781A	1961	North	-45	48.0	48.0	--	--
6		15781-B	1961	North	-48	43.0	43.0	--	--
6		15781-C	1961	North	-49	46.0	46.0	--	--
6		15781-D	1961	North	-46	42.0	42.0	--	--
7		15785	1961	North	-45	25.0	97.0	--	--
8		15795	1962	North	-46	67.0	602.0	py,po,mag	--
9	POWER EXPLORATIONS	KZ-87-15	1987	204	-46.5	12.1	287.0	po,py,cp,gt, mag,sp,talc, serp	Au
10		KZ-87-17	1987	204	-46	12.3	287.0	po,py,asp,mag, talc,cp	Au
11		KZ-87-18	1987	204	-45.5	3.2	317.0	po,py,mag,cp, asp,serp	Au
12		KZ-87-19	1987	204	-45	12.9	347.0	po,cp,py,gt	Au

● —— indicates core stored at Drill Core Library

KARL LAKE AREA

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
13	POWER EXPLORATIONS	KZ-87-21	1987	204	-45	9.8	277.0	py,po,gt	Au

● —— indicates core stored at Drill Core Library

KARL LAKE AREA

Number on File Index Map	AIRBORNE GEOPHYSICAL SURVEY DATA — by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No Data as of February, 1989				

KARL LAKE AREA

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
	No Data As Of February, 1989			

KARL LAKE AREA

GEOCHRONOLOGY DATA - AGE DATING

Site	Method	Material	Reference	Result
		NO DATA AS OF FEBRUARY, 1989		

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologist's office:

(a) Aerial Photographs: No Data as of February, 1989

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:250,000	1981	NORTH CARIBOU (53B)	Surveys & Mapping Branch, Dept. of Energy, Mines and Resources
1:50,000	1977	OPAPIMISKAN (53B/9)	Surveys & Mapping Branch, Dept. of Energy, Mines and Resources

KARL LAKE AREA

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

COMPANY	NEWSPAPER	DATE	PAGE
POWER EXPLORATION	NORTHERN MINER	Oct. 10/88	p.28
		Aug. 01/88	p.16
		May 16/88	p.15
		Nov. 23/87	p.6
		Dec. 29/86	p.5
	GEORGE CROSS NEWS-LETTER	Nov. 30/88	
		Nov. 3/88	
	DRYDEN OBSERVER	July 19/88	p.12
RAVENROC RESOURCES	GEORGE CROSS NEWS-LETTER	Nov. 30/88	
VAN HORNE GOLD	NORTHERN MINER	July 11/85	p.3
		June ?/85	p.6

KARL LAKE AREA

ODM GENERAL INDEX SEARCH

Words searched: Karl-Zeemel, Karl Lake, Pipestone River, Markop Lake

Index Volume	Listing	Report Volume	Part	Page
9	Winisk Lake Area	G.R.	193	63-84, 86,143

KARL LAKE AREA

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
BLACKBURN, C.E. JANES, D.A.	1983	Gold Deposits in Northwestern Ontario, p.206-209 in the Geology of Gold in Ontario, O.G.S., MP 110, 278p.	MP 110	p.206-209
BREAKS, F.W. BARTLETT, J.R. DE KEMP, E.A. ET AL.....	1984	Opapimiskan Lake Project, Precambrian Geology, Quaternary Geology and Mineral Deposits of the North Caribou Lake Area, District of Kenora, Patricia Portion, p.258-273 in Summary of Field Work, 1983, O.G.S., MP 119, 309p.	MP 119	p.258-273
BREAKS, F.W. BARTLETT, J.R. OSMANI, I.A. FINAMORE, P.F. WALLACE, H.	1985	Opapimiskan Lake Project, Precambrian and Quaternary Geology of the North Caribou Lake Area, District of Kenora, Patricia Portion, p.268-276 in Summary of Field Work, O.G.S., MP 126, 351p.	MP 126	p.268-276
BREAKS, F.W. OSMANI, I.A. DE KEMP, E.A.	1986	Opapimiskan Lake Project - Precambrian Geology of the Opapimiskan-Forester Lakes Area, District of Kenora, Patricia Portion, p.368-378 in Summary of Field Work, O.G.S., MP 132, 435p.	MP 132	p.368-378
BREAKS, F.W. OSMANI, I.A. DE KEMP, E.A.	1987	Precambrian Geology of the Opapimiskan-Neawagank Lakes Area, Western Part (Opapimiskan Lake Project), Kenora District (Patricia Portion), O.G.S. Map P.3080, Geological Series	P.3080	1:31,680
BREAKS, F.W. OSMANI, I.A. DE KEMP, E.A.	1987	Precambrian Geology of the Opapimiskan-Neawagank Lakes Area, Eastern Part (Opapimiskan Lake Project), Kenora District (Patricia Portion), O.G.S. Map P.3081, Geological Series	P.3081	1:31,680
DUFFEL, S. MACLAREN, A.S. HOLMAN, R. H. C.	1963	Red Lake-Lansdowne House Area, Northwestern Ontario, Bedrock Geology, Geophysical and Geochemical Investigations, Paper 63-5	GSC Paper 63-5	

KARL LAKE AREA

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
EMSLIE, R.F. HOLMAN, R.H.C.	1966	The Copper Content of Canadian Shield Rocks, Red Lake-Lansdowne House Area, Northwestern Ontario, Bulletin 130	GSC Bulletin 130	
FORTESCUE, A.C. WEBB, J.R.	1986	Preliminary Geochemical Studies at Opapimiskan Lake, North Caribou Lake Area, District of Kenora, Patricia Portion, p.386-388 in Summary of Field Work, O.G.S. MP132, 435p.	MP 132	p.386-388
GSC	1963	North Caribou Lake, Ontario-Geochemistry-Copper in Bedrock, Map 52-1963	Map 52-1963	1:253,440
GSC	1970	Sachigo River-Aeromagnetic Compilation Map, Kenora District, P.575	P.575	1"=16 Miles
ODM	1969	Northern Patricia Portion, District of Kenora, Preliminary Map P.526	P.526	1"=25 Miles 1:1,584,000
ODM GSC	1960	Opapimiskan Lake, Kenora District, Ontario, Geophysics Paper	Map 928G	1"=1 Mile
ODM GSC	1973	Big Trout Lake-North Caribou Lake, Geological Compilation Series, Kenora District, Map 2292	Map 2292	1"=4 Miles 1:253,440
OGS	1985	Airborne Electromagnetic and Total Intensity Magnetic Survey, Opapimiskan Lake Area, District of Kenora, Patricia Portion by Aerodat Ltd., for O.G.S., Geophysical/Geochemical Series, Maps 80742, 80744, 80745 and 80746	Maps 80742 80744 80745 80746	1:20,000
OSMANI, I.A. STOTT, G.M.	1988	Project Number 88-23A, Regional-Scale Shear Zones in Sachigo Subprovince and Their Economic Significance in Summary of Field Work 1988 by the O.G.S., MP141, 498p.	GSC Paper 63-5	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
PIROSHCO, D.	1986	Structural Geology and Gold Mineralization of the Eyapamikama Lake Area of the North Caribou Greenstone Belt, District of Kenora (Patricia Portion), p.379-385 in Summary of Field Work, O.G.S., MP 132, 435p.	MP 132	p.379-385
PREST, V.K.	1963	Red Lake-Lansdowne House Area, Northwestern Ontario, Surficial Geology, Paper 63-6	GSC Paper 63-6	
ROBERTSON, JAMES A. VOS, M.A. SPRINGER, JANET S.	1976	Mineral Potential Map of Ontario, Northwestern Sheet, O.D.M. Preliminary Map P.1096, Mineral Deposits Series	P.1096	1"=16 Miles 1:1,013,760
SPRINGER, JANET S.	1978	Ontario Mineral Potential, North Caribou Lake Sheet, District of Kenora (Patricia Portion), O.G.S. Preliminary Map P.1547, Mineral Deposits Series	P.1547	1:250,000
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1971	Operation Winisk Lake, Weagamow Lake, District of Kenora (Patricia Portion), O.D.M. and Northern Affairs, Preliminary Map P.711, Geological Series	P.711	1"=2 Miles
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1971	Operation Winisk Lake, District of Kenora, (Patricia Portion), p.13-22 in Summary of Field Work, 1971 by the Geological Branch, O.D.M. and Northern Affairs, MP 49, 109p.	MP 49	p.13-22
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